



PCT09

RAW SEQUENCE LISTING

DATE: 01/22/2003

PATENT APPLICATION: US/09/856,886B

TIME: 15:04:36

Input Set : A:\It0013p.txt

Output Set: N:\CRF4\01222003\I856886B.raw

4 <110> APPLICANT: Bianchi, Elisabetta
 5 Ingallinella, Paolo
 6 Pessi, Antonello
 8 <120> TITLE OF INVENTION: PHARMACEUTICAL COMPOUNDS FOR THE
 9 INHIBITION OF HEPATITIS C VIRUS NS3 PROTEASE
 12 <130> FILE REFERENCE: IT0013P
 14 <140> CURRENT APPLICATION NUMBER: 09/856,886B
 15 <141> CURRENT FILING DATE: 2001-07-26
 17 <150> PRIOR APPLICATION NUMBER: PCT/EP99/09207
 18 <151> PRIOR FILING DATE: 1999-11-24
 20 <150> PRIOR APPLICATION NUMBER: GB/9825946.8
 21 <151> PRIOR FILING DATE: 1998-11-26
 23 <160> NUMBER OF SEQ ID NOS: 109
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 4
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Artificial Sequence
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Synthetic sequence
 W--> 35 <221> NAME/KEY: SITE
 36 <222> LOCATION: 2
 37 <223> OTHER INFORMATION: Xaa=beta-cyclohexylalanine
 W--> 39 <400> 1
 W--> 40 Pro Xaa Ser Leu
 41 1
 43 <210> SEQ ID NO: 2
 44 <211> LENGTH: 4
 45 <212> TYPE: PRT
 46 <213> ORGANISM: Artificial Sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Synthetic sequence
 W--> 51 <221> NAME/KEY: SITE
 52 <222> LOCATION: 2
 53 <223> OTHER INFORMATION: Xaa=beta-cyclohexylalanine
 W--> 55 <400> 2
 W--> 56 Pro Xaa Asp Leu
 57 1
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 4
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:

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ENTERED

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65 <223> OTHER INFORMATION: Synthetic sequence
W--> 67 <221> NAME/KEY: MOD_RES
68 <222> LOCATION: 2
69 <223> OTHER INFORMATION: Nle
W--> 71 <400> 3
72 Pro Leu Asp Leu
73 1
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 4
77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Synthetic sequence
W--> 83 <221> NAME/KEY: SITE
84 <222> LOCATION: 2
85 <223> OTHER INFORMATION: Xaa=homophenylalanine
W--> 87 <400> 4
W--> 88 Pro Xaa Asp Leu
89 1
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 4
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Synthetic sequence
W--> 99 <221> NAME/KEY: SITE
100 <222> LOCATION: 2
101 <223> OTHER INFORMATION: Xaa=phenylglycine
W--> 103 <400> 5
W--> 104 Pro Xaa Asp Leu
105 1
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 4
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic sequence
W--> 115 <221> NAME/KEY: SITE
116 <222> LOCATION: 2
117 <223> OTHER INFORMATION: Xaa=beta-cyclohexylalanine
W--> 119 <400> 6
W--> 120 Pro Xaa Gln Leu
121 1
123 <210> SEQ ID NO: 7
124 <211> LENGTH: 4
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthetic sequence

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W--> 131 <221> NAME/KEY: MOD_RES
      132 <222> LOCATION: 2
      133 <223> OTHER INFORMATION: Nle
W--> 135 <400> 7
      136 Pro Leu Gln Leu
      137 1
      139 <210> SEQ ID NO: 8
      140 <211> LENGTH: 4
      141 <212> TYPE: PRT
      142 <213> ORGANISM: Artificial Sequence
      144 <220> FEATURE:
      145 <223> OTHER INFORMATION: Synthetic sequence
W--> 147 <221> NAME/KEY: SITE
      148 <222> LOCATION: 2
      149 <223> OTHER INFORMATION: Xaa=homophenylalanine
W--> 151 <400> 8
W--> 152 Pro Xaa Gln Leu
      153 1
      155 <210> SEQ ID NO: 9
      156 <211> LENGTH: 4
      157 <212> TYPE: PRT
      158 <213> ORGANISM: Artificial Sequence
      160 <220> FEATURE:
      161 <223> OTHER INFORMATION: Synthetic sequence
W--> 163 <221> NAME/KEY: SITE
      164 <222> LOCATION: 2
      165 <223> OTHER INFORMATION: Xaa=beta-cyclohexylalanine
W--> 167 <221> SITE
      168 <222> LOCATION: 3
      169 <223> OTHER INFORMATION: Xaa=hydroxyproline
W--> 171 <400> 9
W--> 172 Pro Xaa Xaa Leu
      173 1
      175 <210> SEQ ID NO: 10
      176 <211> LENGTH: 4
      177 <212> TYPE: PRT
      178 <213> ORGANISM: Artificial Sequence
      180 <220> FEATURE:
      181 <223> OTHER INFORMATION: Synthetic sequence
W--> 183 <221> NAME/KEY: MOD_RES
      184 <222> LOCATION: 2
      185 <223> OTHER INFORMATION: Nle
W--> 187 <221> SITE
      188 <222> LOCATION: 3
      189 <223> OTHER INFORMATION: Xaa=hydroxyproline
W--> 191 <400> 10
W--> 192 Pro Leu Xaa Leu
      193 1
      195 <210> SEQ ID NO: 11

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196 <211> LENGTH: 4
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Synthetic sequence
W--> 203 <221> NAME/KEY: SITE
204 <222> LOCATION: 2
205 <223> OTHER INFORMATION: Xaa=homophenylalanine
W--> 207 <221> SITE
208 <222> LOCATION: 3
209 <223> OTHER INFORMATION: Xaa=hydroxyproline
W--> 211 <400> 11
W--> 212 Pro Xaa Xaa Leu
213 1
215 <210> SEQ ID NO: 12
216 <211> LENGTH: 4
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Synthetic sequence
W--> 223 <221> NAME/KEY: MOD_RES
224 <222> LOCATION: 2
225 <223> OTHER INFORMATION: Nle
W--> 227 <400> 12
228 Pro Leu Ser Leu
229 1
231 <210> SEQ ID NO: 13
232 <211> LENGTH: 6
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Synthetic sequence
W--> 239 <221> NAME/KEY: MOD_RES
240 <222> LOCATION: 1
241 <223> OTHER INFORMATION: Acetylation
W--> 243 <400> 13
244 Asp Glu Met Glu Glu Cys
245 1 5
247 <210> SEQ ID NO: 14
248 <211> LENGTH: 6
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Synthetic sequence
W--> 255 <221> NAME/KEY: MOD_RES
256 <222> LOCATION: 1
257 <223> OTHER INFORMATION: Acetylation
W--> 259 <221> SITE
260 <222> LOCATION: 6

```

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261 <223> OTHER INFORMATION: Xaa=D-Cys
W--> 263 <400> 14
W--> 264 Asp Glu Met Glu Glu Xaa
265 1 5
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 6
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Synthetic sequence
W--> 275 <221> NAME/KEY: MOD_RES
276 <222> LOCATION: 1
277 <223> OTHER INFORMATION: Acetylation
W--> 279 <221> SITE
280 <222> LOCATION: 6
281 <223> OTHER INFORMATION: Xaa=Abu
W--> 283 <400> 15
W--> 284 Asp Glu Met Glu Glu Xaa
285 1 5
287 <210> SEQ ID NO: 16
288 <211> LENGTH: 4
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Synthetic sequence
W--> 295 <221> NAME/KEY: MOD_RES
296 <222> LOCATION: 1
297 <223> OTHER INFORMATION: Acetylation
W--> 299 <400> 16
300 Met Glu Glu Cys
301 1
303 <210> SEQ ID NO: 17
304 <211> LENGTH: 5
305 <212> TYPE: PRT
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Synthetic sequence
W--> 311 <221> NAME/KEY: MOD_RES
312 <222> LOCATION: 1
313 <223> OTHER INFORMATION: Acetylation
W--> 315 <400> 17
316 Glu Met Glu Glu Cys
317 1 5
319 <210> SEQ ID NO: 18
320 <211> LENGTH: 6
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Synthetic sequence

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/856,886B

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Input Set : A:\It0013p.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2
Seq#:2; Xaa Pos. 2
Seq#:4; Xaa Pos. 2
Seq#:5; Xaa Pos. 2
Seq#:6; Xaa Pos. 2
Seq#:8; Xaa Pos. 2
Seq#:9; Xaa Pos. 2, 3
Seq#:10; Xaa Pos. 3
Seq#:11; Xaa Pos. 2, 3
Seq#:14; Xaa Pos. 6
Seq#:15; Xaa Pos. 6
Seq#:19; Xaa Pos. 5
Seq#:22; Xaa Pos. 6
Seq#:24; Xaa Pos. 5
Seq#:25; Xaa Pos. 1
Seq#:26; Xaa Pos. 1
Seq#:28; Xaa Pos. 5
Seq#:29; Xaa Pos. 5
Seq#:30; Xaa Pos. 1, 4
Seq#:31; Xaa Pos. 6
Seq#:32; Xaa Pos. 5
Seq#:33; Xaa Pos. 5
Seq#:34; Xaa Pos. 5
Seq#:35; Xaa Pos. 5
Seq#:36; Xaa Pos. 5
Seq#:37; Xaa Pos. 3, 5
Seq#:38; Xaa Pos. 5
Seq#:39; Xaa Pos. 3, 5
Seq#:40; Xaa Pos. 3, 5
Seq#:41; Xaa Pos. 3, 5
Seq#:42; Xaa Pos. 3, 5, 6
Seq#:43; Xaa Pos. 2, 4
Seq#:44; Xaa Pos. 1, 3
Seq#:45; Xaa Pos. 2, 5
Seq#:46; Xaa Pos. 3, 5, 6
Seq#:47; Xaa Pos. 6
Seq#:48; Xaa Pos. 2, 4
Seq#:49; Xaa Pos. 1, 3
Seq#:50; Xaa Pos. 6
Seq#:51; Xaa Pos. 5, 6
Seq#:52; Xaa Pos. 5
Seq#:53; Xaa Pos. 5
Seq#:54; Xaa Pos. 5
Seq#:55; Xaa Pos. 2, 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: **US/09/856,886B**

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Input Set : **A:\It0013p.txt**
Output Set: **N:\CRF4\01222003\I856886B.raw**

Seq#:56; Xaa Pos. 5
Seq#:57; Xaa Pos. 2,5
Seq#:58; Xaa Pos. 2,5
Seq#:59; Xaa Pos. 2,5
Seq#:60; Xaa Pos. 2,5
Seq#:61; Xaa Pos. 2,5
Seq#:62; Xaa Pos. 2,5
Seq#:63; Xaa Pos. 3,5
Seq#:64; Xaa Pos. 3,5
Seq#:65; Xaa Pos. 5
Seq#:66; Xaa Pos. 5
Seq#:67; Xaa Pos. 3,5
Seq#:68; Xaa Pos. 2,5
Seq#:69; Xaa Pos. 2,5
Seq#:70; Xaa Pos. 2,5
Seq#:71; Xaa Pos. 4
Seq#:72; Xaa Pos. 1,4,7
Seq#:73; Xaa Pos. 4
Seq#:74; Xaa Pos. 1,4,7
Seq#:75; Xaa Pos. 2,5
Seq#:76; Xaa Pos. 2,5,8
Seq#:77; Xaa Pos. 2,5,8
Seq#:80; Xaa Pos. 5
Seq#:81; Xaa Pos. 5
Seq#:82; Xaa Pos. 3,5,6
Seq#:83; Xaa Pos. 3,5,6
Seq#:84; Xaa Pos. 3,5,6
Seq#:85; Xaa Pos. 3,5,6
Seq#:86; Xaa Pos. 2,3,5,6
Seq#:87; Xaa Pos. 2,5,6
Seq#:88; Xaa Pos. 3,5
Seq#:89; Xaa Pos. 2,4
Seq#:90; Xaa Pos. 3,5,8
Seq#:91; Xaa Pos. 3,5,8
Seq#:92; Xaa Pos. 3,5,8
Seq#:93; Xaa Pos. 3,5
Seq#:94; Xaa Pos. 3,5,8
Seq#:95; Xaa Pos. 3,5,8
Seq#:96; Xaa Pos. 3,5
Seq#:97; Xaa Pos. 3,5,8
Seq#:98; Xaa Pos. 3,5,8,9
Seq#:99; Xaa Pos. 3,5,9
Seq#:100; Xaa Pos. 3,5,8,9
Seq#:101; Xaa Pos. 2,5
Seq#:102; Xaa Pos. 3,5,8
Seq#:103; Xaa Pos. 2,5,8
Seq#:104; Xaa Pos. 2,5,8
Seq#:105; Xaa Pos. 1,4,7
Seq#:106; Xaa Pos. 2,5,8

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: **US/09/856,886B**

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Input Set : **A:\It0013p.txt**
Output Set: **N:\CRF4\01222003\I856886B.raw**

Seq#:107; Xaa Pos. 1,4,7
Seq#:108; Xaa Pos. 2,5,8
Seq#:109; Xaa Pos. 2,5